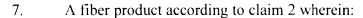
## What is claimed is:

- 1. A fiber product comprising:
  - (a) an acid treated seed based fiber material having:
    - (i) a total cellulose character of at least 50%.
- 2. A fiber product according to claim 1 wherein:
  - the acid treated seed based fiber material has a ratio of cellulose character to hemicellulose character of at least 2:1.
- 3. A fiber product according to claim 2 wherein:
  - (a) the acid treated seed based fiber material comprises acid treated corn fiber; and,
  - (b) the acid treated corn fiber has a total cellulose character of at least 60%.
- 4. A fiber product according to claim 3 wherein:
  - the acid treated corn fiber material has a total hemicellulose character of at least 5%; and,
  - (b) the acid treated corn fiber material has a ratio of cellulose character to hemicellulose character of at least 5:1.
- 5. A fiber product according to claim 2 wherein:
  - (a) the acid treated seed based fiber material comprises acid treated soy fiber; and,
  - (b) the acid treated soy fiber has a total cellulose character of at least 50%.
- 6. A fiber product according to claim 5 wherein:
  - the acid treated soy fiber material has a ratio of cellulose character to hemicellulose character of at least 2:1.



- (a) the acid treated seed based fiber material comprises acid treated oat fiber; and,
- (b) the acid treated oat fiber has a total cellulose character of at least 60%.

## 8. A fiber product according to claim 7 wherein:

- (a) the acid treated oat fiber has a total hemicellulose character of at least 5%; and,
- (b) the acid treated oat fiber has a ratio of cellulose character to hemicellulose character of at least 4:1.

## 9. A fiber product according to claim 1 wherein:

- (a) the acid treated seed based fiber material comprises acid treated material selected from the group consisting essentially of: acid treated corn fiber; acid treated oat fiber; acid treated soy fiber; and, mixtures thereof.
- 10. A fiber product according to claim 1 wherein:
  - said acid treated seed based fiber material comprises fiber material resulting from a process including steps of:
    - (i) washing seed based fiber with a dilute acid solution, including at least about 0.1% acid by dry weight of the seed based fiber;
    - (ii) treating the material resulting from step 10(a)(i) with acid chlorite; and,
    - (iii) treating the material resulting from step 10(a)(ii) with peroxide.

## 11. A fiber product comprising:

(a) a ground, acid treated, seed based fiber material having a bloomed surface appearance when examined by SEM at 100X.

- 12. A paper product including:
  - (a) 0.1 to 10% of acid treated seed based fiber material, based on a remainder of fiber content in a papermaking composition from which the paper is formed.
- 13. A paper product comprising:
  - (a) pulp fibers; and,
  - (b) an acid treated seed based fiber material.
- 14. A paper product according to claim 13 wherein:
  - the acid treated seed based fiber material has a total cellulose character within the range of 50-85%.
- 15. A paper product comprising:
  - (a) paper fibers at least partially coated with a modified seed based fiber material with the seed based fiber material oriented along the paper fibers; the seed based fiber material being a modified feed based fiber material having a total cellulose character of at least 50%.
- 16. A paper product according to claim 15 wherein:
  - the modified seed based fiber material is selected from the group consisting essentially of: modified corn fiber; modified oat fiber; modified soy fiber; and, mixtures thereof.
- 17. A food product comprising:
  - (a) flour; and,
  - (b) at least 0.5% of an acid treated seed based fiber material, by wt. of flour present in a mix from which the food product is formed.

- 18. A food product according to claim 17 comprising:
  - (a) at least 3% of the acid treated seed based fiber material, by wt. of flour present in a mix from which the food product is formed.
- 19. A food composition comprising:
  - (a) at least 0.5% by wt., on the basis of total ingredients, unprocessed, of acid treated seed based fiber material having a total cellulose character of at least 50%.
- 20. A food composition comprising:
  - (a) at least 0.5% by wt., on the basis of total ingredients, unprocessed, of acid treated seed based fiber material having a total cellulose character of at least 50%.